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ENVIRON

October 5, 2000

Mr. Michael McAteer
USEPA, HSRW-6J
77 West Jackson Blvd.
Chicago, IL 60604-3590

Re: Second Quarter 2000 Surface and Subsurface Water Monitoring Report
ECC Superfund Site
Zionsville, Indiana

Dear Mr. McAteer:

This report summarizes the monitoring of the till wells, the sand/gravel wells, and the surface water of the Unnamed Ditch at the ECC Superfund Site in Zionsville, Indiana during the second quarter of 2000.

The specific tasks completed during the second quarter of 2000 included:

- Collection of water level measurements from 14 monitoring wells on May 15, 2000;
- Sampling of the 6 off-site till monitoring wells and the 5 off-site sand/gravel monitoring wells, including ECC MW-13, during the week of May 15, 2000;
- Sampling of 3 of the 4 on-site till monitoring wells[1] during the week of May 15, 2000;
- Sampling of 3 surface water locations within Unnamed Ditch during the week of May, 15, 2000;
- Analysis of all the surface and subsurface water samples collected for parameters specified in the Revised Remedial Action, Exhibit A, Revision 2, dated May 7, 1997 (Revised Exhibit A);

The following section provides a brief description of the second quarter sampling activities. The second quarter water level measurements, analytical results for the surface and subsurface water samples, and the field measurements and purge data are summarized in the attached tables.

[1] Till monitoring well T-2 was not sampled during this sampling event. This well has been converted to a vapor extraction well.

A. Subsurface Water Flow Determination

1. Data Collection

On May 15, 2000, the depth to water was measured in three of the four on-site till monitoring wells, the six off-site till monitoring wells, and the five off-site sand/gravel monitoring wells using an electronic water level meter. No measurements were collected from the T-2 well since this monitoring well has been converted to a vapor extraction well. A replacement well for T-2 is scheduled for installation in October 2000.

The till and sand/gravel monitoring well locations are shown on Figure 1. Measurements were recorded to the nearest 0.01 foot. The depth to water measurements and the corresponding water elevation data derived from these measurements are presented in Table 1.

2. Subsurface Water Elevation Data

Subsurface water elevations and contours for the sand/gravel unit at the site, for the second quarter 2000, are presented in Figure 2.

B. On-Site and Off-Site Subsurface Water Sampling

Subsurface water samples are to be collected from the four on-site till monitoring wells on a semi-annual basis. These samples are collected during the second and fourth quarterly sampling events. During this current sampling event, three of the four on-site monitoring wells were sampled. The on-site subsurface water sample results are summarized in Table 2.

Subsurface water samples (including duplicates) were collected from the off-site monitoring wells T-5 through T-10, S-1 through S-4A, and ECC MW13 on May 15 through 18, 2000. The subsurface water sample results for these wells are summarized in Table 3 and Table 4, respectively.

All samples were collected as described in Section 6.3 of the Radian Revised Remedial Action Field Sampling Plan, Revision 4, dated April 28, 1998 (FSP). In accordance with the FSP, the wells were purged a minimum of three well volumes or until the wells went dry, prior to sampling. The water in the till monitoring wells was evacuated using dedicated polyethylene disposable bailers and sampled using dedicated Teflon disposable bailers. Due to the poor recovery of some of the till monitoring wells (i.e., T-5 and T-8), the samples from these wells were collected over a period of 1 to 4 days. For all the till wells, the VOC and hexavalent chromium samples were collected as soon as possible on the day of purging. The water in the sand/gravel monitoring wells was purged and sampled using a peristaltic pump and dedicated polyethylene tubing. The intake for the polyethylene tubing was placed at the bottom of the screened interval.

The metals and polychlorinated biphenyls (PCBs) samples were filtered using a 0.45-micron filter in accordance with Section 6.3 of the FSP. Field measurements of pH, temperature, specific conductivity, and dissolved oxygen were collected before, during,

and after the purging procedure. Field indicator parameters and other information recorded during well purging and sampling are provided in Tables A-1 through A-3 of Appendix A. It is noteworthy that hexavalent chromium was uncharacteristically detected at several wells. Hexavalent chromium was below acceptable concentration criteria in all previous sampling events. ENVIRON is investigating the validity of these results.

C. Surface Water Sampling

Surface water samples were collected from 2 locations within Unnamed Ditch (SW-1 and SW-2) during the Second Quarter 2000 sampling event. Samples were not collected from the NSL-1 location since water was not flowing from the North Side Landfill discharge to the Unnamed Ditch during the sampling event. Samples were collected as described in Section 6.3 of the FSP. The surface water sample locations are shown on Figure 1. The surface water sample results are summarized in Table 5.

Field measurements of pH, temperature, specific conductivity, and dissolved oxygen were collected from a sample of the water taken from each surface water sampling location. Field indicator parameters as well as the rain accumulation measurement recorded for the 24-hour and 48-hour period prior to sampling are provided in Table A-4 of Appendix A.

D. Sample Analysis and Results

Following sample collection, the samples were placed in ice-filled coolers and shipped via an overnight courier to CompuChem Laboratories of Cary, North Carolina, for analysis. Appropriate chain-of-custody protocols were followed throughout sample handling.

Subsurface water samples were analyzed for the parameters listed in Table 3-1 of Revised Exhibit A in accordance with the analytical methods summarized in Table 7-1 of the FSP. Analytical results for the surface, subsurface and the quality assurance and quality control samples for this sampling event are summarized in Table 2 through Table 6. In addition, all quarterly monitoring analytical data to date has been presented, by location, in Appendix B.

E. Quality Assurance and Quality Control Procedures

To monitor the effectiveness of decontamination procedures, ENVIRON collected field blanks by pouring deionized water through a decontaminated Teflon bailer into a sample container or by pumping deionized water through the peristaltic pump and tubing into a sample container. For the metals and PCB samples, the field blank water was also passed through a 0.45 micron filter. A total of two field blanks were collected and analyzed this quarter. Three trip blanks were submitted to the laboratory to monitor for possible contamination from sample handling, transport, and storage. The trip blanks accompanied the samples and were analyzed for the VOCs listed in Table 3-1 of Revised Exhibit A. The trip and field blank sample results were compared to the most stringent of the Acceptable Stream Concentrations and the Acceptable Subsurface Water

Concentrations for each analyte. The trip and field blank sample results are presented in Table 6.

Methylene chloride was detected at low concentrations in all three trip blanks, both field blanks as well as the laboratory's method blank. ENVIRON believes that the methylene chloride concentrations detected within the blank samples are the result of laboratory contamination.

Acetone was detected in both field blank samples at similar concentrations (8 ug/L and 9 ug/L). Acetone was not detected within the trip blank samples or the laboratory's method blank samples. ENVIRON believes that the acetone was introduced into the blank water prior to being rinsed through the sampling equipment. During this sampling event the laboratory failed to provide field blank water. The field sampling team purchased distilled water locally for use in the field blanks. It is appears that this distilled water contained acetone. In the future, if laboratory supplied and tested water for the collection of field blank samples is not available, ENVIRON will submit an additional blank sample, containing the locally purchased distilled water, for analysis.

In addition to methylene chloride and acetone, low concentrations of toluene were detected within each of the three trip blanks and both field blanks. Toluene was not detected within the laboratory's method blank samples. A low concentration (below the required detection limit) of zinc was also detected within the May 17, 2000 field blank.

To evaluate the reproducibility of results, ENVIRON collected one duplicate subsurface water sample from sand/gravel monitoring well S-4A and till monitoring well T-4A. The duplicate sample from S-4A was collected by pumping the subsurface water into two sets of sample containers and the duplicate sample from T-4A was collected by pouring the contents of the bailer into two sets of sample containers. The results of the duplicate samples are presented in Table 4 and Table 2, respectively. The results for the duplicate pairs were similar, indicating good reproducibility of the sampling and analytical methods. In addition to the duplicate samples, ENVIRON collected extra sample volume from 5 percent of the monitoring wells for the laboratory's matrix spike and matrix spike duplicate (MS/MSD) samples.

If you have any questions about this letter or any other aspects of the project, please do not hesitate to contact us.

Sincerely,

ENVIRON International Corporation

Scott Hayter, P.G.
Senior Associate

Ronald E. Hutchens, P.E.
Principal

cc: Mr. Myron Waters – IDEM
Mr. Tim Harrison – CH2M Hill
Dr. Roy Ball – ENVIRON International Corporation
Mr. Norman Bernstein – N. W. Bernstein & Associates, L.L.C.
Mr. George Anastos – Versar, Inc.

TABLES

TABLE 1
Subsurface Water Elevations - May 15, 2000
ECC Compliance Monitoring Wells
Second Quarter 2000

Well Number	Rim of PVC Elevation (feet AMSL)	Depth-to-Water (feet)	Water Elevation (feet AMSL)
T-1	897.41	17.56	879.85
T-2*	898.67	NM	NM
T-3	896.07	16.80	879.27
T-4A	895.37	15.71	879.66
T-5	889.08	9.06	880.02
T-6	891.76	11.44	880.32
T-7	891.02	11.37	879.65
T-8	888.88	9.55	879.33
T-9	882.08	2.57	879.51
T-10	889.42	6.91	882.51
S-1	890.27	11.20	879.07
S-2	888.46	8.84	879.62
S-3	882.45	3.69	878.76
S-4A	889.59	10.08	879.51
P-1	889.66	NM	NM
ECC MW-13	883.30	10.46	872.84

Notes:
AMSL = Above Mean Sea Level.
PVC = Polyvinyl Chloride Inner Well Casing.
NM = No Measurement.
* Monitoring well has been converted to a vapor extraction well.

TABLE 2 (Page 1 of 2)
Summary of Analytical Results for Subsurface Water Samples
ECC On-Site Till Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Subsurface Water Concentration	T-1 ECTGW1-06 BAILER 5/15/00	T-2 ECTGW2-06 BAILER 5/15/00	T-3 ECTGW3-06 BAILER 5/15/00-5/16/00	T-4A ECTGW4-06 BAILER 5/16/00	T-4A ECTGW4-06D BAILER 5/16/00-5/17/00 DUPLICATE
Volatile Organics						
Acetone	*[3,500]*	ND	NS	ND	ND	ND
1,1-Dichloroethene	*[7]*	ND	NS	3	ND	ND
1,2-Dichloroethene(total)	*[70]*	0.1 J	NS	**3,800 D**	ND	ND
Ethylbenzene	*[680]*	ND	NS	6	ND	ND
Methylene Chloride	*[4.7]*	1 B	NS	**5 B**	1 B	0.7 B
Methyl ethyl ketone	*[170]*	ND	NS	ND	ND	ND
Methyl isobutyl ketone	*[1,750]*	ND	NS	7	ND	ND
Tetrachloroethene	*[0.69]*	0.7	NS	**10**	ND	ND
Toluene	*[2,000]*	0.2 J	NS	57 DJ	0.3 J	0.2 J
1,1,1-Trichloroethane	*[200]*	ND	NS	32 E	ND	ND
1,1,2-Trichloroethane	*[0.61]*	ND	NS	**2**	ND	ND
Trichloroethene	*[5]*	.4 J	NS	**21**	ND	ND
Vinyl chloride	*[2]*	0.6	NS	**160 D**	ND	ND
Xylenes (total)	*[10,000]*	ND	NS	20	ND	ND
Semi-Volatile Organics						
Bis(2-ethylhexyl)phthalate	*[2.5]*	0.9 J	NS	**12**	**7 J**	**10**
Di-n-butylphthalate	*[3,500]*	ND	NS	ND	ND	ND
1,2-Dichlorobenzene	*[600]*	ND	NS	4 J	ND	ND
Diethyl phthalate	*[28,000]*	ND	NS	ND	ND	ND
Isophrone	*[8.5]*	ND	NS	ND	ND	ND
Naphthalene	*[14,000]*	ND	NS	ND	ND	ND
Phenol	*[1,400]*	ND	NS	ND	ND	ND

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1.
[2] = Acceptable Subsurface Water Concentration as presented in Revised Exhibit A, Table 3-1.
J = Estimated Value.
ND = Not Detected.
B = Analyte was also detected in the laboratory method blank.
D = Compound quantitated on a diluted sample.
NS = Not Sampled. Well has been converted to a vapor extraction well.
E = Exceeds the upper limit of the calibration range of the instrument for that specific analysis.

TABLE 2 (Page 2 of 2)
Summary of Analytical Results for Subsurface Water Samples
ECC On-Site Till Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Subsurface Water Concentration	T-1 ECTGW1-06 BAILER 5/15/00	T-2 ECTGW2-06 BAILER 5/15/00	T-3 ECTGW3-06 BAILER 5/15/00-5/16/00	T-4A ECTGW4-06 BAILER 5/16/00	T-4A ECTGW4-06D BAILER 5/16/00-5/17/00 DUPLICATE
Polychlorinated biphenyls						
Aroclor-1016	*[1.0]*	ND	NS	ND	ND	ND
Aroclor-1221	*[2.0]*	ND	NS	ND	ND	ND
Aroclor-1232	*[1.0]*	ND	NS	ND	ND	ND
Aroclor-1242	*[1.0]*	ND	NS	ND	ND	ND
Aroclor-1248	*[1.0]*	ND	NS	ND	ND	ND
Aroclor-1254	*[1.0]*	ND	NS	ND	ND	ND
Aroclor-1260	*[1.0]*	ND	NS	ND	ND	ND
Inorganics						
Antimony	*[14]*	3.1 B	NS	ND	ND	ND
Arsenic	*[50]*	ND	NS	4.6 B	ND	5.2 B
Barium	*[1,000]*	398	NS	230	47.9	93.1
Beryllium	*[4]*	ND	NS	ND	ND	ND
Cadmium	*[10]*	ND	NS	ND	ND	ND
Chromium VI	*[50]*	**160**	NS	35.8	**113**	**80.4**
Lead	*[50]*	ND	NS	ND	ND	4.1
Manganese	*[7,000]*	125	NS	195	85.2	293
Nickel	*[150]*	ND	NS	44.6	5.6	18
Silver	*[50]*	ND	NS	ND	ND	ND
Tin	*[21,000]*	ND	NS	ND	ND	ND
Vanadium	*[245]*	0.74 B	NS	ND	ND	11.8 B
Zinc	*[7,000]*	9.6 B	NS	ND	ND	40.4
Cyanide	*[154]*	ND	NS	6.8 B	ND	ND

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs were used in place of the Acceptable Subsurface Water Concentrations for these analytes since the detection limits are above their respective Acceptable Subsurface Water Concentrations.
[2] = Acceptable Subsurface Water Concentration as presented in Revised Exhibit A, Table 3-1.
ND = Not Detected.
B = Analyte value is < contract required detection limit but > = instrument detection limit.
NS = Not Sampled. Well has been converted to a vapor extraction well.

TABLE 3 (Page 1 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-06 BAILER 5/15/00 - 5/18/00	T-6 ECTGW6-06 BAILER 5/15/00	T-7 ECTGW7-06 BAILER 5/16/00	T-8 ECTGW8-06 BAILER 5/17/00	T-9 ECTGW9-06 BAILER 5/16/00	T-10 ECTGW10-06 BAILER 5/16/00
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[1.85]*	ND	**36,000**	**59**	**5**	**12**	**400**
Ethylbenzene	*[3,280]*	ND	230 J	3	ND	ND	ND
Methylene Chloride	*[15.7]*	1.0 B	**920 JB**	3 B	2 B	0.9 B	12 JB
Tetrachloroethene	*[8.85]*	ND	ND	3	0.2 J	ND	ND
Toluene	*[3,400]*	0.2 J	**3,800**	24	0.3 J	0.2 J	3 J
1,1,1-Trichloroethane	*[5,280]*	ND	1,800	ND	ND	ND	16
1,1,2-Trichloroethane	*[41.8]*	ND	ND	ND	ND	ND	ND
Trichloroethene	*[80.7]*	ND	ND	14	0.7	ND	3 J
Vinyl chloride	*[525]*	ND	**1,500**	7	0.4 J	210 D	16

Notes:

All concentrations are in ug/L.

Concentrations in bold exceeds the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

[15.7] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.

ND = Not Detected.

J = Estimated Value.

D = Compound quantitated on a diluted sample.

B = Analyte was also detected in the laboratory method blank.

TABLE 3 (Page 2 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-06 BAILER 5/15/00 - 5/18/00	T-6 ECTGW6-06 BAILER 5/15/00	T-7 ECTGW7-06 BAILER 5/16/00	T-8 ECTGW8-06 BAILER 5/17/00	T-9 ECTGW9-06 BAILER 5/16/00	T-10 ECTGW10-06 BAILER 5/16/00
Semi-Volatile Organics							
Bis(2-ethylhexyl)phthalate	*[50,000]*	1 J	0.8 J	2 J	1 J	3 J	1 J
Di-n-butylphthalate	*[154,000]*	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	68	2 J	ND	ND	ND
Diethylphthalate	*[52,100]*	ND	4 J	ND	ND	ND	ND
Naphthalene	*[620]*	ND	24	ND	ND	ND	ND
Phenol	*[570]*	ND	120 D	47	ND	ND	ND
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1221	*[2.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1232	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1242	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1248	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1254	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1260	*[1.0]*	ND	ND	ND	ND	ND	ND

Notes: All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs were used in place of the Acceptable Stream Concentrations since the detection limits are above their respective Acceptable Stream Concentrations.
[15.7] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.
ND = Not Detected.
J = Estimated Value.
D = Compound quantitated on a diluted sample.

TABLE 3 (Page 3 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-06 BAILER 5/15/00 - 5/18/00	T-6 ECTGW6-06 BAILER 5/15/00	T-7 ECTGW7-06 BAILER 5/16/00	T-8 ECTGW8-06 BAILER 5/17/00	T-9 ECTGW9-06 BAILER 5/16/00	T-10 ECTGW10-06 BAILER 5/16/00
Inorganics							
Arsenic	*[10]*	ND	**60.8**	ND	ND	2.6 B	ND
Chromium VI	*[11]*	**100**	**17.6**	ND	ND	**99.9**	**156**
Lead	*[10]*	ND	ND	ND	ND	ND	ND
Nickel	*[100]*	ND	40.3	6.9	ND	17.5	11.6
Zinc	*[47]*	18 B	ND	10.6 B	10.7 B	7.3 B	ND
Cyanide	*[5.2]*	ND	ND	ND	ND	ND	ND

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limit for arsenic was used in place of the Acceptable Stream Concentration since the detection limit for arsenic is above its respective Acceptable Stream Concentration.

[15.7] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.

ND = Not Detected.

B = Analyte value is < contract required detection limit but > = instrument detection limit.

TABLE 4 (Page 1 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-06 PUMP 5/17/00	S-2 ECSGW2-06 PUMP 5/16/00	S-3 ECSGW3-06 PUMP 5/16/00	S-4A ECSGW4-06 PUMP 5/15/00	S-4A ECSGW4-06D PUMP 5/15/00 DUPLICATE	MW13 ECSGWM13-06 PUMP 5/17/00
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[1.85]*	ND	0.4 J	ND	**62**	**36**	1
Ethylbenzene	*[3,280]*	ND	ND	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	2 B	2 B	0.6 B	3 D	3 JB	3 B
Tetrachloroethene	*[8.85]*	ND	ND	ND	ND	ND	0.1 J
Toluene	[3,400]	0.3 J	0.4 J	0.2 J	0.7 J	0.7 J	0.4 J
1,1,1-Trichloroethane	*[5,280]*	ND	ND	ND	ND	ND	0.4 J
1,1,2-Trichloroethane	*[41.8]*	ND	ND	ND	ND	ND	ND
Trichloroethene	*[80.7]*	ND	ND	ND	ND	ND	0.5
Vinyl chloride	[525]	ND	0.9	0.7	3	2 J	0.4 J

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

[2] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.

ND = Not Detected.

B = Analyte was also detected in the laboratory method blank.

J = Estimated Value.

TABLE 4 (Page 2 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-06 PUMP 5/17/00	S-2 ECSGW2-06 PUMP 5/16/00	S-3 ECSGW3-06 PUMP 5/16/00	S-4A ECSGW4-06 PUMP 5/15/00	S-4A ECSGW4-06D PUMP 5/15/00 DUPLICATE	MW13 ECSGWM13-06 PUMP 5/17/00
Semi-Volatile Organics							
Bis(2-ethylhexyl)phthalate	*[50,000]*	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	ND	ND	ND	ND	ND
Diethylphthalate	*[52,100]*	ND	ND	ND	ND	ND	ND
Naphthalene	*[620]*	ND	ND	ND	ND	ND	ND
Phenol	*[570]*	ND	ND	ND	ND	ND	ND
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1221	*[2.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1232	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1242	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1248	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1254	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1260	*[1.0]*	ND	ND	ND	ND	ND	ND

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs were used in place of the Acceptable Stream Concentrations since the detection limits are above their respective Acceptable Stream Concentrations.

[2] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.

ND = Not Detected.

TABLE 4 (Page 3 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-06 PUMP 5/17/00	S-2 ECSGW2-06 PUMP 5/16/00	S-3 ECSGW3-06 PUMP 5/16/00	S-4A ECSGW4-06 PUMP 5/15/00	S-4A ECSGW4-06D PUMP 5/15/00 DUPLICATE	MW13 ECSGWM13-05 PUMP 5/17/00
Inorganics							
Arsenic	*[10]*	ND	ND	ND	ND	ND	11.6
Chromium VI	*[11]*	**15.1**	ND	ND	**11.2**	ND	ND
Lead	*[10]*	ND	ND	ND	ND	ND	ND
Nickel	*[100]*	ND	4.4 B	8.7	ND	ND	7.8
Zinc	*[47]*	ND	ND	ND	ND	ND	ND
Cyanide	*[5.2]*	ND	ND	ND	ND	ND	ND

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limit for arsenic was used in place of the Acceptable Stream Concentration since the detection limit for arsenic is above its respective Acceptable Stream Concentration.

[2] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.

ND = Not Detected.

B = Analyte value is < contract required detection limit but > = instrument detection limit.

TABLE 5
Analytical Results for Surface Water Samples
ECC Surface Water Locations
Second Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION DATE COMMENT	Acceptable Stream Concentration	SW-1 ECSW1-06 5/18/00	SW-2 ECSW2-06 5/18/00
Volatile Organics			
1,1-Dichloroethene	*[1.85]*	ND	ND
1,2-Dichloroethene (total)	*[1.85]*	ND	0.3 J
Ethylbenzene	*[3,280]*	ND	ND
Methylene Chloride	*[15.7]*	0.8	1
Tetrachloroethene	*[8.85]*	ND	ND
Toluene	[3,400]	0.2 J	0.2 J
1,1,1-Trichloroethane	*[5,280]*	ND	ND
1,1,2-Trichloroethane	*[41.8]*	ND	ND
Trichloroethene	*[80.7]*	ND	ND
Vinyl chloride	[525]	ND	ND
Semi-Volatile Organics			
Bis(2-ethylhexyl)phthalate	*[50,000]*	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	ND
Diethylphthalate	*[52,100]*	ND	ND
Naphthalene	*[620]*	ND	ND
Phenol	*[570]*	ND	ND
Polychlorinated biphenyls			
Aroclor-1016	*[1.0]*	ND	ND
Aroclor-1221	*[2.0]*	ND	ND
Aroclor-1232	*[1.0]*	ND	ND
Aroclor-1242	*[1.0]*	ND	ND
Aroclor-1248	*[1.0]*	ND	ND
Aroclor-1254	*[1.0]*	ND	ND
Aroclor-1260	*[1.0]*	ND	ND
Inorganics			
Arsenic	*[10]*	ND	ND
Chromium VI	*[11]*	ND	ND
Lead	*[10]*	ND	ND
Nickel	*[100]*	9.2	9
Zinc	*[47]*	ND	ND
Cyanide	*[5.2]*	2.1 B	2.1 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A.

USEPA Contract Laboratory Program method detection limit for PCBs and arsenic was used in place of the Acceptable Stream Concentration since the detection limit for arsenic is above its respective Acceptable Stream Concentration.

[2] = Acceptable Stream Concentration as presented in Revised Exhibit A, Table 3-1.

ND = Not Detected.

B = Analyte value is < contract required detection limit but > = instrument detection limit.

J = Estimated Value.

TABLE 6 (Page 1 of 2)
Analytical Results for Quality Assurance / Quality Control Samples
Second Quarter 2000

TYPE ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE	Most Stringent Acceptable Concentration	TRIP BLANK ECTB1-06 None 5/15/00	TRIP BLANK ECTB2-06 None 5/16/00	TRIP BLANK ECTB3-06 None 5/17/00	FIELD BLANK ECSGW1-06B Perist Pump 5/17/00	FIELD BLANK ECTGW10-06B Bailer 5/16/00
Volatile Organic Compounds						
Acetone	*[3,500]*	ND	ND	ND	9	8
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[1.85]*	ND	ND	ND	ND	ND
Ethylbenzene	*[680]*	ND	ND	ND	ND	ND
Methylene Chloride	*[4.7]*	2 B	2 B	2 B	2 B	1 B
Methyl ethyl ketone	*[170]*	ND	ND	ND	ND	ND
Methyl Isobutyl ketone	*[1,750]*	ND	ND	ND	ND	ND
Tetrachloroethene	*[0.69]*	ND	ND	ND	ND	ND
Toluene	*[2,000]*	0.3 J	0.5	0.5	0.4 J	0.3 J
1,1,1-Trichloroethane	*[200]*	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*[0.61]*	ND	ND	ND	ND	ND
Trichloroethene	*[5]*	ND	ND	ND	ND	ND
Vinyl Chloride	*[2]*	ND	ND	ND	ND	ND
Xylenes (Total)	*[10,000]*	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds						
Bis (2-ethylhexyl) phthalate	*[2.5]*	NA	NA	NA	ND	ND
Di-n-butyl phthalate	*[3,500]*	NA	NA	NA	ND	ND
1,2-Dichlorobenzene	*[600]*	NA	NA	NA	ND	ND
Diethyl Phthalate	*[28,000]*	NA	NA	NA	ND	ND
Isophorone	*[8.5]*	NA	NA	NA	ND	ND
Naphthalene	*[620]*	NA	NA	NA	ND	ND
Phenol	*[570]*	NA	NA	NA	ND	ND

Notes: All concentrations are in ug/L.

Concentrations in bold exceed the most stringent of the Acceptable Stream Concentrations and the Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1.

[2] = Most stringent of the Acceptable Stream Concentrations and the Acceptable Subsurface Water Concentrations.

ND = Not Detected.

J = Estimated Value

NA = Not Analyzed.

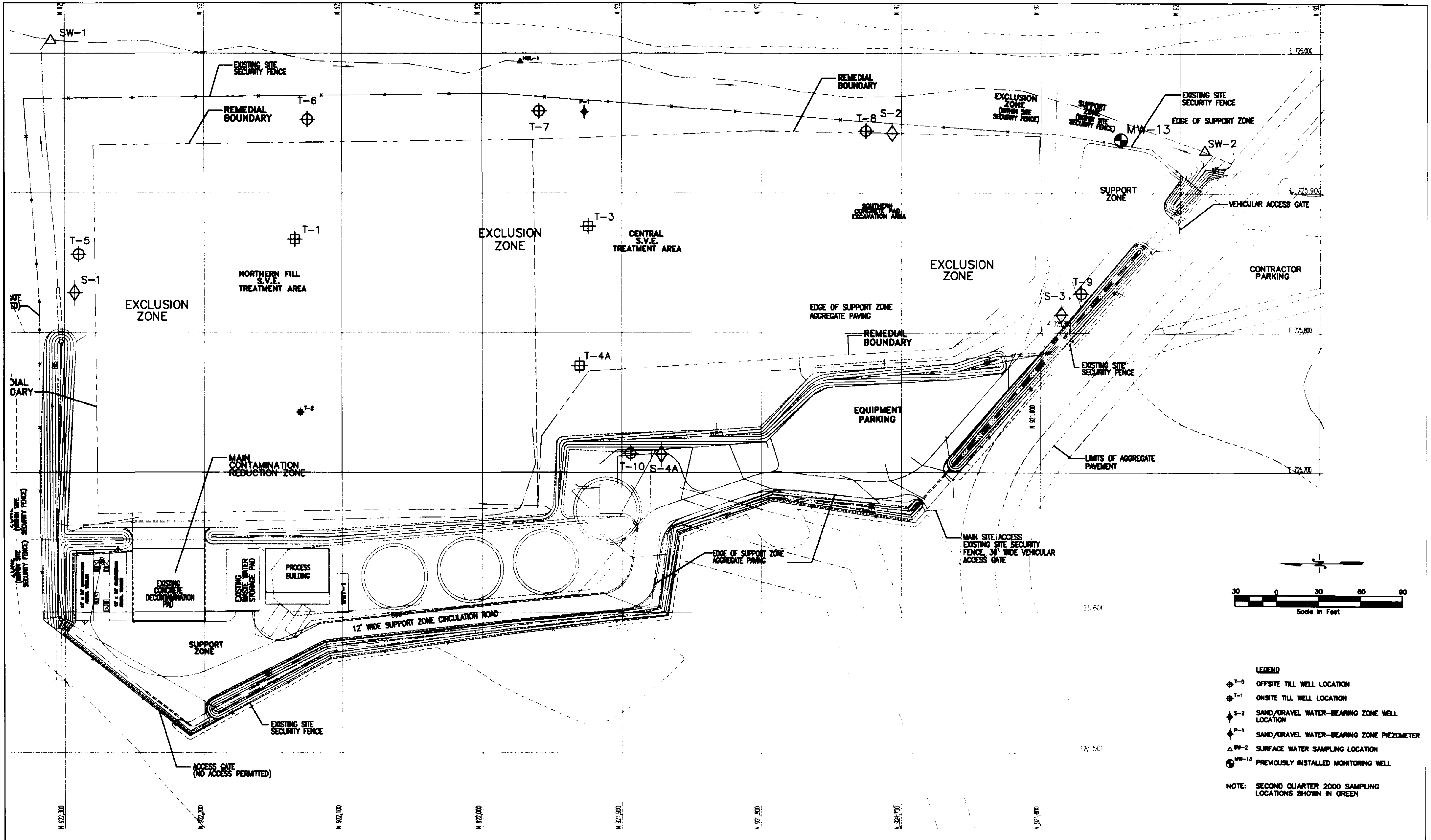
B = Analyte was also detected in the laboratory method blank.

TABLE 6 (Page 2 of 2)
Analytical Results for Quality Assurance / Quality Control Samples
Second Quarter 2000

TYPE ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE	Most Stringent Acceptable Concentration	TRIP BLANK ECTB1-06 None 5/15/00	TRIP BLANK ECTB2-06 None 5/16/00	TRIP BLANK ECTB3-06 None 5/17/00	FIELD BLANK ECSGW1-06B Perist. Pump 5/17/00	FIELD BLANK ECTGW10-06B Bailer 5/16/00
Polychlorinated biphenyls						
Aroclor 1016	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1221	*[2.0]*	NA	NA	NA	ND	ND
Aroclor 1232	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1242	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1248	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1254	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1260	*[1.0]*	NA	NA	NA	ND	ND
Inorganics						
Antimony	*[14]*	NA	NA	NA	ND	ND
Arsenic	*[10]*	NA	NA	NA	ND	ND
Barium	*[1,000]*	NA	NA	NA	ND	ND
Beryllium	*[4]*	NA	NA	NA	ND	ND
Cadmium	*[10]*	NA	NA	NA	ND	ND
Chromium VI	*[11]*	NA	NA	NA	ND	ND
Lead	*[10]*	NA	NA	NA	ND	ND
Manganese	*[7,000]*	NA	NA	NA	ND	ND
Nickel	*[100]*	NA	NA	NA	ND	ND
Silver	*[50]*	NA	NA	NA	ND	ND
Tin	*[21,000]*	NA	NA	NA	ND	ND
Vanadium	*[245]*	NA	NA	NA	ND	ND
Zinc	*[47]*	NA	NA	NA	3.6 B	ND
Cyanide (Total)	*[5.2]*	NA	NA	NA	ND	ND

Notes: All concentrations are in ug/L.
Concentrations in bold exceed the most stringent of the Acceptable Stream Concentrations and the Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream and Acceptable Subsurface Water Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.
[2] = Most stringent of the Acceptable Stream Concentrations and the Acceptable Subsurface Water Concentrations.
B = Analyte value is <contract required detection limit but >= instrument detection limit.
ND = Not Detected.
NA = Not Analyzed.

FIGURES



DATE	DRWN	REVISIONS

FIGURE 1

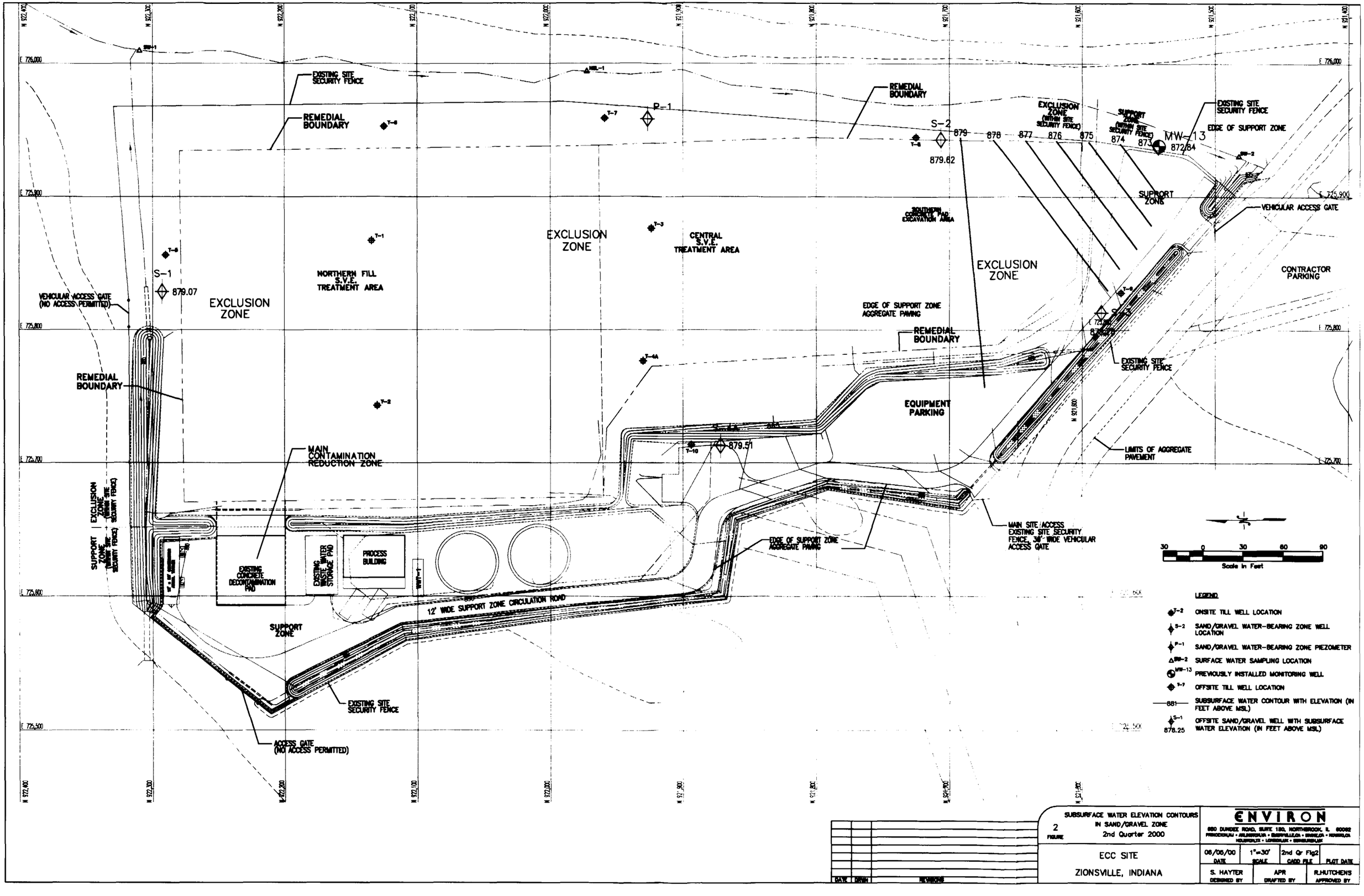
SUBSURFACE AND SURFACE WATER SAMPLING LOCATIONS

ECC SITE

ZIONSVILLE, INDIANA

ENVIRON

06/05/00	1"=30'	2nd Qr Fig 1	
DATE	SCALE	CADD FILE	PLOT DATE
S. HAYTER	H. ZUCZEK	R.HUTCHENS	
DESIGNED BY	DRAFTED BY	APPROVED BY	



SUBSURFACE WATER ELEVATION CONTOURS IN SAND/GRAVEL ZONE
2nd Quarter 2000

FIGURE 2

ECC SITE
ZIONSVILLE, INDIANA

ENVIRON
680 DUNDEE ROAD, SUITE 180, NORTHBROOK, IL 60062
PRINCETON,NJ • ARLINGTON,VA • EDISON,NJ • IRVINE,CA
HOUSTON,TX • LONDON,UK • EDINBURGH,UK

DATE	DRWN	REVISIONS

DATE	SCALE	CADD FILE	PLOT DATE
08/05/00	1"=30'	2nd Qr Fig2	

DESIGNED BY	DRAFTED BY	APPROVED BY
S. HAYTER	APR	R.HUTCHENS

APPENDIX A
Field Measurements and Purge Data

TABLE A-1
FIELD MEASUREMENTS AND PURGE DATA
SECOND QUARTER 2000 ON-SITE TILL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	T-1	T-3	T-4A
Date	5/15/00	5/15/00	5/16/00
Weather Conditions	Sunny 68 F	Sunny 68 F	Overcast 78 F
Before Purging			
pH	NM	8.28	8.28
Dissolved Oxygen (ppm)	NM	0.99	0.99
Temperature (C)	NM	14	14
Specific Conductivity (uS/cm)	NM	1.61	1.61
Total Depth of Well (Ft from top of inner casing to water)	26.1	27.77	24.07
Depth to water (Ft from top of inner casing to water)	17.56	16.8	15.71
Estimated water volume in well (gallons)	1.4	1.8	1.4
Three Well Volumes(gallons)	4.2	5.4	4.1
After Purging			
Purge Start	NM	NM	NM
Purge End	NM	NM	NM
Purge Method	NM	BT	BT
Approximate Purge Rate (gpm)	NM	NM	NM
Total Volume Purged (gal.)	NM	4.6	4.6**
pH	NM	8.19	7.2
Dissolved Oxygen (ppm)	NM	1.4	2.09
Temperature (C)	NM	14	12.2
Specific Conductivity (uS/cm)	NM	1.58	1.12
Sampling			
Sampling Date(s)	5/15/00	5/15/00	5/16/00
Sampling End Time	1620	1650	1230
Sampling Method	BT	BT	BT

Notes:

NM = no measurement

BT = Bailer (Teflon) PP = Peristaltic Pump PID = Photoionization Detector

0

TABLE A-2
FIELD MEASUREMENTS AND PURGE DATA
SECOND QUARTER 2000 OFF-SITE TILL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	T-5	T-6	T-7	T-8	T-9	T-10
Date	5/15/00	5/15/00	5/15/00	5/17/00	5/16/00	5/16/00
Weather Conditions	Sunny 68 F	Sunny 68 F	Sunny 68 F	Rain 78 F	Overcast 78 F	Overcast 78 F
Before Purging						
pH	NM	NM	NM	NM	NM	NM
Dissolved Oxygen (ppm)	NM	NM	NM	NM	NM	NM
Temperature (C)	NM	NM	NM	NM	NM	NM
Specific Conductivity (uS/cm)	NM	NM	NM	NM	NM	NM
Total Depth of Well (Ft from top of inner casing to water)	18.59	19.14	17.47	15.82	25.15	17.85
Depth to water (Ft from top of inner casing to water)	9.06	11.44	11.37	9.55	2.57	6.97
Estimated water volume in well (gallons)	1.6	1.3	1.0	1.0	3.7	1.8
Three Well Volumes (gallons)	4.7	3.8	3.0	3.1	11.0	5.3
After Purging						
Purge Start	NM	NM	NM	NM	NM	NM
Purge End	N	NM	NM	NM	NM	NM
Purge Method	BT	BT	BT	BT	BT	BT
Approximate Purge Rate (gpm)	NM	NM	NM	3.0 **	12.00	NM
Total Volume Purged (gal.)	NM	NM	NM	NM	NM	NM
pH	NM	NM	NM	NM	6.84	NM
Dissolved Oxygen (ppm)	NM	NM	NM	NM	4.1	NM
Temperature (C)	NM	NM	NM	NM	13	NM
Specific Conductivity (uS/cm)	NM	NM	NM	NM	1.28	NM
Sampling						
Sampling Date(s)	NM	5/15/00	5/16/00	5/17/00	5/16/00	5/16/00
Sampling End Time	NM	1600	1315	1330	1500	1250
Sampling Method	BT	BT	BT	BT	BT	BT

Notes:

** - Well purged dry
NM = no measurement
BT - Bailer (Teflon)
PP - Peristaltic Pump
PID = Photoionization Detector

TABLE A-3
FIELD MEASUREMENTS AND PURGE DATA
SECOND QUARTER 2000 OFF-SITE SAND/GRAVEL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	S-1	S-2	S-3	S-4A	MW-13
Date	5/17/00	5/16/00	5/16/00	5/15/00	5/17/00
Weather Conditions	Rain 78 F	Overcast 78 F	Overcast 78 F	Sunny 68 F	Rain 78 F
Before Purging					
pH	7.38	7.21	7.25	8.16	6.91
Dissolved Oxygen (ppm)	1.39	0.85	0.48	0.65	0.36
Temperature (C)	13	11.8	13.4	14.5	12.5
Specific Conductivity (uS/cm)	0.697	1.08	0.95	0.705	1.38
Total Depth of Well (Feet below ground surface)	40.87	21.88	35.33	45.89	16.89
Depth to water (Ft from top of inner casing to water)	11.2	8.84	3.69	10.8	10.46
Estimated water volume in well (gallons)	4.8	2.1	5.2	5.7	1.0
Three Well Volumes(gallons)	14.5	6.4	15.5	17.2	3.1
After Purging					
Purge Start	1025	1130	900	1705	1145
Purge End	1100	1200	1016	1825	1200
Purge Method	PP	PP	PP	PP	PP
Approximate Purge Rate (gpm)	0.19	0.09	0.13	0.15	0.06
Total Volume Purged (gal.)	14.6	6.5	15.5	17.4	3.14
pH	7.44	7.27	7.27	8.15	6.81
Dissolved Oxygen (ppm)	0.69	0.57	0.5	0.55	2.16
Temperature (C)	13.3	11.7	13.3	13	12.2
Specific Conductivity (uS/cm)	0.71	0.923	1.18	0.691	1.52
Sampling					
Sampling Date(s)	5/17/00	5/16/00	5/16/00	5/15/00	5/17/00
Sampling End Time	1120	1215	1100		1200
Sampling Method	PP	PP	PP	PP	PP

Notes:
NM = no measurement
BT = Bailer (Teflon) PP = Peristaltic Pump PID = Photoionization Detector

TABLE A-4
FIELD MEASUREMENTS
SECOND QUARTER 2000 SURFACE WATER SAMPLING
ECC SUPERFUND SITE

Field Parameters and Data	SW-1	SW-2
Date	5/18/00	5/18/00
Weather Conditions	Sunny 72 F	Sunny 72 F
Sampling Time	1115	1030
pH	8.18	8.1
Dissolved Oxygen (ppm)	10.8	7.89
Temperature (C)	21	18.8
Specific Conductivity (uS/cm)	1.18	1.12
Unnamed Ditch Flow Measurements		
Flow Velocity (ft/sec)	0 **	0 **
Cross Sectional Area (ft^2)	0.3	0.23
Calculated Flow Volume (Gal/min)	0 **	0 **
Storm Event - Rain Accumulation		
Accumulation 24 hours prior to sampling (inches) *	0.27	0.27
Accumulation 48 hours prior to sampling (inches) *	0.27	0.27

Notes:

* measurement recorded at Fisher weather station in Hamilton County

** Stream flow was to low to measure.

APPENDIX B
Historical Quarterly Monitoring Analytical Data

TABLE B-1
Summary of Analytical Results for Monitoring Well T-1
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-1 ECTGW1-01 4th 1998	T-1 ECTGW-01 2nd 1999	T-1 ECTGW1-05 4th 1999	T-1 ECTGW1-06 2nd 2000
Votatile Organics					
Acetone	*[3,500]*	2 U	2 U	1.0 J	2 U
1,1-Dichloroethene	*[7]*	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[70]*	0.4 JB	0.5 U	0.8	0.1 J
Ethylbenzene	*[680]*	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	*[4.7]*	2 B	1	0.8	1 B
Methyl ethyl ketone	*[170]*	2 U	2 U	1.0 J	2 U
Methyl isobutyl ketone	*[1,750]*	2 U	2 U	2.0 U	2 U
Tetrachloroethene	*[0.69]*	**1**	**14**	0.6	**0.7**
Toluene	*[2,000]*	0.5 U	2	0.3 J	0.2 J
1,1,1-Trichloroethane	*[200]*	0.5 U	9	0.5 U	0.5 U
1,1,2 Trichloroethane	*[.61]*	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[5]*	0.5 U	**22**	0.4 J	.4 J
Vinyl Chloride	*[2]*	0.5 U	0.4 J	0.5 U	0.6
Xylenes (total)	*[10,000]*	0.4 JB	0.6	0.5 U	0.5 U
Semi-Volatile Organics					
Bis (2-ethylhexyl) phthalate	*[2.5]*	10 U	2 J	**4.0 J**	0.9 J
Di-n-butyl phthalate	*[3,500]*	10 U	11 U	9.0 U	9 U
1,2-Dichlorobenzene	*[600]*	10 U	11 U	9.0 U	9 U
Diethylphthalate	*[28,000]*	10 U	11 U	9.0 U	9 U
Isoporone	*[8.5]*	10 U	11 U	9.0 U	9 U
Naphthalene	*[14,000]*	10 U	11 U	9.0 U	9 U
Phenol	*[1,400]*	16	11 U	9.0 U	9 U
Polychlorinated biphenyls					
Aroclor-1016	*[1.0]*	1 U	0.51 U	0.5 U	0.49 U
Aroclor-1221	*[2.0]*	2 U	1.0 U	1.0 U	0.98 U
Aroclor-1232	*[1.0]*	1 U	0.51 U	0.5 U	0.49 U
Aroclor-1242	*[1.0]*	1 U	0.51 U	0.5 U	0.49 U
Aroclor-1248	*[1.0]*	1 U	0.51 U	0.5 U	0.49 U
Aroclor-1254	*[1.0]*	1 U	0.51 U	0.5 U	0.49 U
Aroclor-1260	*[1.0]*	1 U	0.51 U	0.5 U	0.49 U
Inorganics					
Antimony	*[14]*	1.7 U	1.0 U	NA	3.1 B
Arsenic	*[50]*	3.6 B	2.1 B	7.6 U	2.1 U
Barium	*[1,000]*	425	587	NA	398
Beryllium	*[4]*	1 U	0.61 B	NA	0.10 U
Cadmium	*[10]*	1 U	0.57 B	0.30 U	0.30 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	**160**
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U
Manganese	*[7,000]*	115	103	NA	125
Nickel	*[150]*	0.7 U	3.1 B	1.1 U	3.2 U
Silver	*[50]*	0.4 U	0.4 U	NA	0.50 U
Tin	*[21,000]*	4.7 U	2.0 U	NA	2.8 U
Vanadium	*[245]*	0.51 B	0.4 U	NA	0.74 B
Zinc	*[7,000]*	1.5 U	39.6	3.1 U	9.6 B
Cyanide	*[154]*	10 U	4.7 U	8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in **bold** exceed the Acceptable Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1

[3,500] = Acceptable Subsurface Water Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > instrument detection limit (inorganic).

J = Estimated Value.

TABLE B-2
Summary of Analytical Results for Monitoring Well T-2
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-2 ECTGW2-01 4th 1998	T-2 ECTGW-02 2nd 1999
Votatile Organics			
Acetone	*[3,500]*	**10,000 B**	12,000 U
1,1-Dichloroethene	*[7]*	1,900 U	**1,900 J**
1,2-Dichloroethene(total)	*[70]*	1,900 U	**4,200**
Ethylbenzene	*[680]*	1,900 U	**1,900 J**
Methylene Chloride	*[4.7]*	**12,000 B**	**71,000**
Methyl ethyl ketone	*[170]*	**2,200 J**	12,000 U
Methyl isobutyl ketone	*[1,750]*	**2,700 J**	**12,000 JB**
Tetrachloroethene	*[0.69]*	**17,000**	**79,000 D**
Toluene	*[2,000]*	**3,600**	**22,000**
1,1,1-Trichloroethane	*[200]*	**31,000**	**91,000 D**
1,1,2 Trichloroethane	*[.61]*	1,900 U	2,500 U
Trichloroethene	*[5]*	**6,000**	**190,000 D**
Vinyl Chloride	*[2]*	1,900 U	2,500 U
Xylenes (total)	*[10,000]*	1,900 U	8,900
Semi-Volatile Organics			
Bis (2-ethylhexyl) phthalate	*[2.5]*	**1,300**	**8,000 J**
Di-n-butyl phthalate	*[3,500]*	59 J	10,000 U
1,2-Dichlorobenzene	*[600]*	**6,900**	**77,000**
Diethylphthalate	*[28,000]*	500 U	10,000 U
Isoporone	*[8.5]*	**390 J**	10,000 U
Naphthalene	*[14,000]*	410 J	**18,000 J**
Phenol	*[1,400]*	200	10,000 U
Polychlorinated biphenyls			
Aroclor-1016	*[1.0]*	1 U	1.3 U
Aroclor-1221	*[2.0]*	2 U	2.5 U
Aroclor-1232	*[1.0]*	1 U	1.3 U
Aroclor-1242	*[1.0]*	1 U	1.3 U
Aroclor-1248	*[1.0]*	1 U	1.3 U
Aroclor-1254	*[1.0]*	1 U	1.3 U
Aroclor-1260	*[1.0]*	1 U	1.3 U
Inorganics			
Antimony	*[14]*	1.7 U	4.4 B
Arsenic	*[50]*	6.4 B	8.1 B
Barium	*[1,000]*	184	852
Beryllium	*[4]*	0.2 U	0.35 B
Cadmium	*[10]*	1.1	1.9 B
Chromium VI	*[50]*	10 U	10 U
Lead	*[50]*	0.7 U	1.0 U
Manganese	*[7,000]*	21	1.1 B
Nickel	*[150]*	2 B	3.8 B
Silver	*[50]*	0.4 U	0.4 U
Tin	*[21,000]*	4.7 U	33.5
Vanadium	*[245]*	1.2 B	3.1 B
Zinc	*[7,000]*	1.5 U	1.1 B
Cyanide	*[154]*	10 U	4.7 U

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1.

Acceptable Subsurface Water Concentration from Revised Exhibit A, Table 3-1.

Analyte not detected. The value shown is the associated detection limit.

Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic)

Estimated Value

Compound quantitated on a diluted sample.

TABLE B-3
Summary of Analytical Results for Monitoring Well T-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-3 ECTGW3-01 4th 1998	T-3 ECTGW-03 2nd 1999	T-3 ECTGW3-05 4th 1999	T-3 ECTGW3-06 2nd 2000
Votatile Organics					
Acetone	*[3,500]*	550 JB	780 U	22 B	2 U
1,1-Dichloroethene	*[7]*	160 U	160 U	4.0	3
1,2-Dichloroethene(total)	*[70]*	**5,200**	**5,780**	**6,400 D**	**3,800 D**
Ethylbenzene	*[680]*	160 U	160 U	2.0	6
Methylene Chloride	*[4.7]*	**270 B**	**98 JB**	**6.0**	**5 B**
Methyl ethyl ketone	*[170]*	**780 U**	780 U	2.0 U	2 U
Methyl isobutyl ketone	*[1,750]*	250 J	780 U	99	7
Tetrachloroethene	*[0.69]*	160 U	160 U	**21**	**10**
Toluene	*[2,000]*	280	190	90 DJ	57 DJ
1,1,1-Trichloroethane	*[200]*	92 J	160 U	59 DJ	32 E
1,1,2 Trichloroethane	*[.61]*	160 U	160 U	**3.0**	**2**
Trichloroethene	*[5]*	160 U	160 U	**49 DJ**	**21**
Vinyl Chloride	*[2]*	**280**	**270**	**470 D**	**160 D**
Xylenes (total)	*[10,000]*	110 J	160 U	46	20
Semi-Volatile Organics					
Bis (2-ethylhexyl) phthalate	*[2.5]*	**29**	**9 J**	**32**	**12**
Di-n-butyl phthalate	*[3,500]*	10 U	10 U	1.0 J	10 U
1,2-Dichlorobenzene	*[600]*	21	9 J	24	4 J
Diethylphthalate	*[28,000]*	10 U	10 U	11 U	10 U
Isoporone	*[8.5]*	3 J	3 J	11 U	10 U
Naphthalene	*[14,000]*	4 J	1 J	6.0 J	10 U
Phenol	*[1,400]*	10	10 U	1.0 J	10 U
Polychlorinated biphenyls					
Aroclor-1016	*[1.0]*	1 U	0.51 U	0.49 U	0.56 U
Aroclor-1221	*[2.0]*	2 U	1.0 U	0.98 U	1.1 U
Aroclor-1232	*[1.0]*	1 U	0.51 U	0.49 U	0.56 U
Aroclor-1242	*[1.0]*	1 U	0.51 U	0.49 U	0.56 U
Aroclor-1248	*[1.0]*	1 U	0.51 U	0.49 U	0.56 U
Aroclor-1254	*[1.0]*	1 U	0.51 U	0.49 U	0.56 U
Aroclor-1260	*[1.0]*	1 U	**29 J**	0.49 U	0.56 U
Inorganics					
Antimony	*[14]*	1.7 U	2.0 B	2.2 B	1.5 U
Arsenic	*[50]*	9.7 B	10.6	8.8 B	4.6 B
Barium	*[1,000]*	189	478	263	230
Beryllium	*[4]*	1 U	0.68 B	0.29 B	0.1 U
Cadmium	*[10]*	0.7 U	1.9 B	0.31 B	0.3 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	35.8
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U
Manganese	*[7,000]*	24.7	151	167	195
Nickel	*[150]*	40.3	54.3	53.1	44.6
Silver	*[50]*	0.4 U	0.4 U	0.90 U	0.5 U
Tin	*[21,000]*	4.7 U	2.0 U	3.6 U	2.8 U
Vanadium	*[245]*	0.56 B	0.4 U	0.80 U	0.4 U
Zinc	*[7,000]*	1.5 U	30	3.1 U	3.6 U
Cyanide	*[154]*	26.7	27	21.1	6.8 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Subsurface Water Concentrations as presented in Revised Exhibit A, Table 3-1.

[3,500] = Acceptable Subsurface Water Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

E = Exceeds the upper limit of the calibration range of the instrument for that specific analysis.

D = Compound quantitated on a diluted sample.

TABLE B-4
Summary of Analytical Results for Monitoring Well T-4A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-4A ECTGW4A-01 4th 1998	T-4A ECTGW-04 2nd 1999	T-4A ECTGW4-05 4th 1999	T-4A ECTGW4-06 2nd 2000
Votatile Organics					
Acetone	*[3,500]*	2 U	2 U	3.0 B	2 U/2 U
1,1-Dichloroethene	*[7]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U
1,2-Dichloroethene(total)	*[70]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U
Ethylbenzene	*[680]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U
Methylene Chloride	*[4.7]*	2 B	1	0.5	1 B/0.7 B
Methyl ethyl ketone	*[170]*	2 U	2 U	0.7 J	2 U/2 U
Methyl isobutyl ketone	*[1,750]*	2 U	2 U	2.0 U	2 U/2 U
Tetrachloroethene	*[0.69]*	**4**	0.5 U	**2.0**	0.5 U/0.5 U
Toluene	*[2,000]*	0.6 B	0.5 U	0.4 J	0.3 J/0.2 J
1,1,1-Trichloroethane	*[200]*	0.5 U	0.5 U	1.0	0.5 U/0.5 U
1,1,2 Trichloroethane	*[.61]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U
Trichloroethene	*[5]*	**5**	0.6	2.0	0.5 U/0.5 U
Vinyl Chloride	*[2]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U
Xylenes (total)	*[10,000]*	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U
Semi-Volatile Organics					
Bis (2-ethylhexyl) phthalate	*[2.5]*	**5 J**	10 U	**13**	**7 J/10**
Di-n-butyl phthalate	*[3,500]*	10 U	10 U	10 U	10 U/10 U
1,2-Dichlorobenzene	*[600]*	10 U	10 U	10 U	10 U/10 U
Diethylphthalate	*[28,000]*	10 U	10 U	10 U	10 U/10 U
Isoporone	*[8.5]*	10 U	10 U	10 U	10 U/10 U
Naphthalene	*[14,000]*	10 U	10 U	10 U	10 U/10 U
Phenol	*[1,400]*	10 U	10 U	10 U	10 U/10 U
Polychlorinated biphenyls					
Aroclor-1016	*[1.0]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U
Aroclor-1221	*[2.0]*	2 U	1.0 U	1.1 U	1.0 U/1.0 U
Aroclor-1232	*[1.0]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U
Aroclor-1242	*[1.0]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U
Aroclor-1248	*[1.0]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U
Aroclor-1254	*[1.0]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U
Aroclor-1260	*[1.0]*	1 U	0.53 U	0.54 U	0.53 U/0.53 U
Inorganics					
Antimony	*[14]*	1.7 U	1.0 U	1.8 U	1.5 U/1.5 U
Arsenic	*[50]*	1.7 B	1.4 U	7.6 U	2.1 U/5.2 B
Barium	*[1,000]*	197	255	67.1	47.9/93.1
Beryllium	*[4]*	0.2 U	0.34 B	0.39 B	0.1 U/0.1 U
Cadmium	*[10]*	1.1 B	1.7 B	0.30 U	0.3 U/0.3 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	**113/80.4**
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U/4.1
Manganese	*[7,000]*	63	191	289	85.2/293
Nickel	*[150]*	7.2 B	11.1	5.3	5.6/18
Silver	*[50]*	0.4 U	0.4 U	0.90 U	0.5 U/0.5 U
Tin	*[21,000]*	4.7 U	2.0 U	3.6 U	2.8 U/2.8 U
Vanadium	*[245]*	0.4 U	0.4 U	0.80 U	0.4 U/11.8 B
Zinc	*[7,000]*	1.5 U	30.8	3.1 U	3.6 U/40.4
Cyanide	*[154]*	10 U	4.7 U	8.2 U	0.9 U/0.9 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Subsurface Water Concentrations as presented
[3,500] = Acceptable Subsurface Water Concentration from Revised Exhibit A, Table 3-1.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
1 U/0.8 U = Duplicate sample result.

TABLE B-5
Summary of Analytical Results for Monitoring Well T-5
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-5 ECTGW5-01 4th 1998	T-5 ECTGW5-02 1st 1999	T-5 ECTGW5-03 2nd 1999	T-5 ECTGW5-04 3rd 1999	T-5 ECTGW5-05 4th 1999	T-5 ECTGW5-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.4 J	0.1 J	0.9	1.0 B
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	4 J	12 U	12 U	9.0 U	7.0 J	1 J
Di-n-butyl phthalate	*[154,000]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U
Diethylphthalate	*[52,100]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U
Naphthalene	[620]	10 U	12 U	12 U	9.0 U	9.0 U	10 U
Phenol	*[570]*	10 U	12 U	2 J	9.0 U	9.0 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U
Aroclor-1221	*[2.0]*	2 U	1 U	1.0 U	1.0 U	1.0 U	0.94 U
Aroclor-1232	*[1.0]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U
Aroclor-1242	*[1.0]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U
Aroclor-1248	*[1.0]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U
Aroclor-1254	*[1.0]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U
Aroclor-1260	*[1.0]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U
Inorganics							
Arsenic	*[10]*	2.3 B	1.4 U	3.0 B	2.1 B	7.6 U	2.1 U
Chromium VI	*[11]*	10 U	10 U	10 U	10.0 U	10 U	100
Lead	*[10]*	0.7 U	1.3 B	1.0 U	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	1.4 B	0.8 U	3.3 B	3.2 B	2.6 B	3.2 U
Zinc	*[47]*	1.5 U	24.1	13.5 B	9.7 B	**114**	18 B
Cyanide	*[5.2]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but >= instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

TABLE B-6
Summary of Analytical Results for Monitoring Well T-6
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-6 ECTGW6-01 4th 1998	T-6 ECTGW6-02 1st 1999	T-6 ECTGW6-02 2nd 1999	T-6 ECTGW6-02 3rd 1999	T-6 ECTGW6-02 4th 1999	T-6 ECTGW6-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	500 U	1,200 U	620 U	**4.0**	**37**	1200 U
1,2-Dichloroethene(total)	*[1.85]*	**20,000**	**47,000**	**54,000 D**	**71,300 D**	**11,750 D**	**36,000**
Ethylbenzene	*[3,280]*	500 U	1,200 U	620 U	10	140	230 J
Methylene Chloride	*[15.7]*	**970 B**	**1,500 B**	**570 JB**	7.0	**97**	**920 JB**
Tetrachloroethene	*[8.85]*	500 U	1,200 U	620 U	0.3 J	4.0 J	1200 U
Toluene	*[3,400]*	1,100	2,300	**4,300**	72 E	620 D	**3,800**
1,1,1-Trichloroethane	*[5,280]*	940	920 J	4,100	2,500 D	25 U	1,800
1,1,2-Trichloroethane	*[41.8]*	500 U	1,200 U	620 U	0.5 U	25 U	1200 U
Trichloroethene	*[80.7]*	500 U	1,200 U	620 U	0.6	8.0 J	1200 U
Vinyl chloride	*[525]*	430 J	**1,100 J**	**2,500**	110 E	**1,200 D**	**1,500**
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	19 U	1 J	50 U	4.0 J	0.8 J
Di-n-butyl phthalate	*[154,000]*	11 U	19 U	10 U	50 U	9.0 U	10 U
1,2-Dichlorobenzene	*[763]*	26 U	27 D	52 D	34 J	29	68
Diethylphthalate	*[52,100]*	3 J	19 U	1 J	50 U	2.0 J	4 J
Naphthalene	[620]	14	7 DJ	10 J	11 J	9.0 J	24
Phenol	*[570]*	**870 D**	200 D	230 D	520	390 D	120 D
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U
Aroclor-1221	*[2.0]*	2 U	1 U	1.1 U	1.0 U	1.0 U	0.98 U
Aroclor-1232	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U
Aroclor-1242	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U
Aroclor-1248	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U
Aroclor-1254	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U
Aroclor-1260	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U
Inorganics							
Arsenic	*[10]*	**25.9 B**	**29.1**	**36.8**	**42.3**	**43.2**	**60.8**
Chromium VI	*[11]*	10 U	10 U	10 U	10.0 U	10.0 U	**17.6**
Lead	*[10]*	0.7 U	0.7 U	1.0 U	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	43	31	31.2	44.5	39.9	40.3
Zinc	*[47]*	1.5 U	**200**	19.0 B	12.8 B	27.3	3.6 U
Cyanide	*[5.2]*	10 U	10 U	4.7 U	3.4 B	8.2 U	0.9 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but >= instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

1 U/0.8 U = Duplicate sample result.

TABLE B-7
Summary of Analytical Results for Monitoring Well T-7
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-7 ECTGW7-01 4th 1998	T-7 ECTGW7-02 1st 1999	T-7 ECTGW-07 2nd 1999	T-7 ECTGW7-02 3rd 1999	T-7 ECTGW7-02 4th 1999	T-7 ECTGW7-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	**23**	**93**	**69**	**123 D**	**64 D**	**59**
Ethylbenzene	*[3,280]*	0.8 U	2 U	2 U	1.0	2.0	3
Methylene Chloride	*[15.7]*	2 B	3 B	2 JB	1.0	0.6	3 B
Tetrachloroethene	*[8.85]*	0.4 J	2 U	2 U	2.0	3.0	3
Toluene	*[3,400]*	4	13	2 U	18	18	24
1,1,1-Trichloroethane	*[5,280]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	4	13	8	17	12	14
Vinyl chloride	*[525]*	0.6 J	1 J	1 J	3.0	2.0	7
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	10 U	2 J	2.0 J	1.0 J	2 J
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	2 J	10 U	10 U	10 U	10 U	2 J
Diethylphthalate	*[52,100]*	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	[620]	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	29 U	13	18	80	18	47
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U
Aroclor-1221	*[2.0]*	2 U	0.99 U	1.1 U	1.0 U	0.91 U	1.0 U
Aroclor-1232	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U
Aroclor-1242	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U
Aroclor-1248	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U
Aroclor-1254	*[1.0]*	1 U	0.5 U	0.54 U	0.10 J	0.45 U	0.53 U
Aroclor-1260	*[1.0]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U
Inorganics							
Arsenic	*[10]*	3.5 B	1.4 U	1.4 U	2.0 U	7.6 U	2.1 U
Chromium VI	*[11]*	10 U	10	10 U	10.0 U	10.0 U	10 U
Lead	*[10]*	0.88 B	1.8 B	1.0 U	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	6.8	6.8	7.2	8.5	5.0	6.9
Zinc	*[47]*	1.5 U	46.6	0.40 U	1.1 U	3.1 U	10.6 B
Cyanide	*[5.2]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.9 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

1 U/0.8 U = Duplicate sample result.

TABLE B-8
Summary of Analytical Results for Monitoring Well T-8
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-8 ECTGW8-01 4th 1998	T-8 ECTGW8-02 1st 1999	T-8 ECTGW-08 2nd 1999	T-8 ECTGW8-02 3rd 1999	T-8 ECTGW8-02 4th 1999	T-8 ECTGW8-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	**10 B**	**6**	**6**	**6.0**	**3.0**	5
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.5 JB	0.2 J	2.0	2 B
Tetrachloroethene	*[8.85]*	7	0.5 U	1	0.7	0.5 J	0.2 J
Toluene	*[3,400]*	0.9 B	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	10	0.5 J	2	1.0	0.9	0.7
Vinyl chloride	*[525]*	1	1	0.4 J	0.4 J	0.3 J	0.4 J
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	10 U	9 U	1.0 J	1.0 JB	1 J
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	9 U	10 U	10 U	11 U
1,2-Dichlorobenzene	*[763]*	2 J	10 U	9 U	10 U	10 U	11 U
Diethylphthalate	*[52,100]*	10 U	10 U	9 U	10 U	10 U	11 U
Naphthalene	[620]	10 U	10 U	9 U	10 U	10 U	11 U
Phenol	*[570]*	16	10 U	9 U	3.0 J	10 U	11 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U
Aroclor-1221	*[2.0]*	2 U	1 U	1.0 U	0.91 U	0.98 U	1.0 U
Aroclor-1232	*[1.0]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U
Aroclor-1242	*[1.0]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U
Aroclor-1248	*[1.0]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U
Aroclor-1254	*[1.0]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U
Aroclor-1260	*[1.0]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U
Inorganics							
Arsenic	*[10]*	1.7 U	1.4 U	2.0 B	2.0 U	7.6 U	2.1 U
Chromium VI	*[11]*	10 U	10 U	10 U	10.0 U	10.0 U	10 U
Lead	*[10]*	1.1 B	2.0 B	1.0 U	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	3.7 B	1.8 B	2.5 B	2.1 B	2.3 B	3.2 U
Zinc	*[47]*	1.5 U	**107**	9.8 B	29.1	7.4 B	10.7 B
Cyanide	*[5.2]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

TABLE B-9
Summary of Analytical Results for Monitoring Well T-9
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-9 ECTGW9-01 4th 1998	T-9 ECTGW9-02 1st 1999	T-9 ECTGW9-03 2nd 1999	T-9 ECTGW9-04 3rd 1999	T-9 ECTGW9-05 4th 1999	T-9 ECTGW9-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	1	1 U/0.8 U	0.6/0.6	**4.0**	0.8	**12**
Ethylbenzene	*[3,280]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2 B	2 B/ 0.8 U	0.6 B/0.9 B	0.5 JB	0.5 U	0.9 B
Tetrachloroethene	*[8.85]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Toluene	*[3,400]*	0.5 U	1 U/0.8 U	0.3 J/0.2 J	0.5 U	0.5 U	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	*[525]*	0.5 U	56/38	35 D/43 D	0.5 U	34 D	210 D
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	4 J	12/1 J	4 J/1 J	6.0 J	10 U	3 J
Di-n-butyl phthalate	*[154,000]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U
Diethylphthalate	*[52,100]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U
Naphthalene	[620]	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U
Phenol	*[570]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND
Aroclor-1221	*[2.0]*	2 U	0.48 U/0.48 U	1.1 U/1.0 U	1.0 U	0.94 U	ND
Aroclor-1232	*[1.0]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND
Aroclor-1242	*[1.0]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND
Aroclor-1248	*[1.0]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND
Aroclor-1254	*[1.0]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND
Aroclor-1260	*[1.0]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND
Inorganics							
Arsenic	*[10]*	1.7 U	1.4 U/1.4 U	1.4 U/1.5 B	2.0 U	7.6 B	2.6 B
Chromium VI	*[11]*	10 U	10 U/10 U	10 U/10 U	10.0 U	10.0 U	**99.9**
Lead	*[10]*	0.7 U	1.4 B/2.0 B	1.0 U/1.0 U	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	14.8 B	15/13.8	16.6/17.5	15.6	16.7	17.5
Zinc	*[47]*	11.9 U	**160/49.4**	18.0 B/**191**	4.2 B	3.1 U	7.3 B
Cyanide	*[5.2]*	10 U	10 U/10 U	4.7 U/4.7 U	2.8 U	8.2 U	0.9 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
D = Compound quantitated on a diluted sample.
1 U/0.8 U = Duplicate sample result.

TABLE B-10
Summary of Analytical Results for Monitoring Well T-10
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-10 ECTGW10-01 4th 1998	T-10 ECTGW10-02 1st 1999	T-10 ECTGW-10 2nd 1999	T-10 ECTGW10-04 3rd 1999	T-10 ECTGW10-05 4th 1999	T-10 ECTGW10-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	25 U	6 U	0.4 J	0.5	0.4 J	62 U
1,2-Dichloroethene(total)	*[1.85]*	**930**	**190**	**228 D**	**19.4 D**	**419 D**	**400**
Ethylbenzene	*[3,280]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U
Methylene Chloride	*[15.7]*	**50 B**	7 B	0.6 B	0.4 JB	0.3 J	12 JB
Tetrachloroethene	*[8.85]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U
Toluene	*[3,400]*	25 U	6 U	0.5 U	0.5 U	0.5 U	3 J
1,1,1-Trichloroethane	*[5,280]*	130	15	19	18	19	16
1,1,2-Trichloroethane	*[41.8]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U
Trichloroethene	*[80.7]*	25 U	6 U	2	2.0	2.0	3 J
Vinyl chloride	*[525]*	25 U	6 U	5	0.5 U	0.5 U	16
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	1 J	3 J	2.0 J	1.0 JB	1 J
Di-n-butyl phthalate	*[154,000]*	10 U	9 U	11 U	10 U	9.0 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	9 U	11 U	10 U	9.0 U	10 U
Diethylphthalate	*[52,100]*	10 U	9 U	11 U	10 U	9.0 U	10 U
Naphthalene	[620]	10 U	9 U	11 U	10 U	9.0 U	10 U
Phenol	*[570]*	10 U	9 U	11 U	10 U	9.0 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U
Aroclor-1221	*[2.0]*	2 U	1 U	1.0 U	1.0 U	0.92 U	1.2 U
Aroclor-1232	*[1.0]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U
Aroclor-1242	*[1.0]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U
Aroclor-1248	*[1.0]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U
Aroclor-1254	*[1.0]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U
Aroclor-1260	*[1.0]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U
Inorganics							
Arsenic	*[10]*	6.9 B	1.7 B	1.4 U	4.4 B	7.6 U	2.1 U
Chromium VI	*[11]*	10 U	10 U	10 U	10.0 U	10.0 U	**156**
Lead	*[10]*	0.84 B	0.97 B	1.5 B	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	20.7	13.9	14.2	12.4	12.7	11.6
Zinc	*[47]*	1.5 U	**192**	**67.3**	7.2 B	16.4 B	3.6 U
Cyanide	*[5.2]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

D = Compound quantitated on a diluted sample.

TABLE B-11
Summary of Analytical Results for Monitoring Well S-1
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-1 ECSGW1-01 4th 1998	S-1 ECSGW1-02 1st 1999	S-1 ECSGW-03 2nd 1999	S-1 ECSGW1-04 3rd 1999	S-1 ECSGW1-05 4th 1999	S-1 ECSGW1-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.7	0.5 JB	0.5 J	2 B
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U
Naphthalene	[620]	10 U/10 U	10 U	10 U	10 U	10 U	11 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U
Aroclor-1221	*[2.0]*	2 U/2 U	0.95 U	1.1 U	1.0 U	1.0 U	0.93 U
Aroclor-1232	*[1.0]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U
Aroclor-1242	*[1.0]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U
Aroclor-1248	*[1.0]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U
Aroclor-1254	*[1.0]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U
Aroclor-1260	*[1.0]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U
Inorganics							
Arsenic	*[10]*	1.7 U/1.7 U	1.4 B	1.4 U	2.0 U	7.6 U	2.1 U
Chromium VI	*[11]*	10 U/10 U	10 U	10 U	10.0 U	10.0 U	**15.1**
Lead	*[10]*	0.81 B/ 0.7 U	0.7 U	1.0 U	1.0 U	1.5 U	1.1 U
Nickel	*[100]*	0.7 U/0.7 U	1.3 B	1.3 B	1.0 U	1.1 U	3.2 U
Zinc	*[47]*	1.5 U/1.5 U	0.8 U	4.8 B	1.1 U	3.1 U	3.6 U
Cyanide	*[5.2]*	10 U/10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

TABLE B-12
Summary of Analytical Results for Monitoring Well S-2
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-2 ECSGW2-01 4th 1998	S-2 ECSGW2-02 1st 1999	S-2 ECSGW-02 2nd 1999	S-2 ECSGW2-04 3rd 1999	S-2 ECSGW2-05 4th 1999	S-2 ECSGW2-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	**3**	**2**	0.5 U	0.6	**2.0**/0.8	0.4 J
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2 B	0.8 B	0.3 J	0.5 U	2.0/1.0	2 B
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.9/0.7	0.5 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J/0.2 J	0.4 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5/0.4 J	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	0.9/0.9	0.5 U
Vinyl chloride	*[525]*	3	0.4 J	0.5 U	0.6	0.8/0.7	0.9
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	1.0 J	10 U/10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	4.0 J	10 U/10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U
Naphthalene	[620]	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U
Aroclor-1221	*[2.0]*	2 U/ 2U	1 U	1.0 U	1.1 U	1.0 U/1.0 U	0.93 U
Aroclor-1232	*[1.0]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U
Aroclor-1242	*[1.0]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U
Aroclor-1248	*[1.0]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U
Aroclor-1254	*[1.0]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U
Aroclor-1260	*[1.0]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U
Inorganics							
Arsenic	*[10]*	1.7 U/ 1.7 U	1.4 U	1.4 U	2.0 U	7.6 U/7.6 U	2.1 U
Chromium VI	*[11]*	10 U/10 U	10 U	10 U	10.0 U	10.0 U/10.0 U	10 U
Lead	*[10]*	0.7 U/0.7 U	0.7 U	1.0 U	1.0 U	1.5 U/1.5 U	1.1 U
Nickel	*[100]*	4 B/3.8 B	4.8 B	5	4.7 B	4.8 B/6.1 U	4.4 B
Zinc	*[47]*	1.5 U/1.5 U	0.8 U	12.4	1.1 U	3.1 U/3.1 U	3.6 U
Cyanide	*[5.2]*	10 U/10 U	10 U	4.7 U	2.8 U	8.2 U/8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3 1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3 1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

TABLE B-13
Summary of Analytical Results for Monitoring Well S-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-3 ECSGW3-01 4th 1998	S-3 ECSGW3-02 1st 1999	S-3 ECSGW-03 2nd 1999	S-3 ECSGW3-04 3rd 1999	S-3 ECSGW3-05 4th 1999	S-3 ECSGW3-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.1 J/0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2.0 B/2.0 B	0.6 B	0.9	0.2 J	0.5 U/2.0	0.6 B
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
Toluene	*[3,400]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	0.5 U	0.3 J	0.5 U	0.5 U/0.5 U	0.5 U
Vinyl chloride	*[525]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.3 J	0.7
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U
Diethylphthalate	*[52,100]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U
Naphthalene	[620]	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U
Phenol	*[570]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U
Aroclor-1221	*[2.0]*	2.0 U/2.0 U	0.95 U	1 U	1 U	0.92 U/1.0 U	1.0 U
Aroclor-1232	*[1.0]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U
Aroclor-1242	*[1.0]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U
Aroclor-1248	*[1.0]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U
Aroclor-1254	*[1.0]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U
Aroclor-1260	*[1.0]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U
Inorganics							
Arsenic	*[10]*	1.7 U/1.7 U	1.4 U	4.4 B	2.0 U	7.6 U/7.6 U	2.1 U
Chromium VI	*[11]*	10 U / 10 U	10 U	10 U	10.0 U	10.0 U/10.0 U	10 U
Lead	*[10]*	0.7 U/0.76 B	0.7 U	1 U	1.0 U	1.5 U/1.5 U	1.1 U
Nickel	*[100]*	2.3 B/2.2 B	2.8 B	10.4	8.8	9.0/9.1	8.7
Zinc	*[47]*	1.5 U/1.5 U	0.8 U	0.4 U	1.1 U	3.1 U/3.1 U	3.6 U
Cyanide	*[5.2]*	10 U / 10 U	10 U	4.7 U	2.8 U	8.2 U/8.2 U	0.90 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
1 U/0.8 U = Duplicate sample result.

TABLE B-14
Summary of Analytical Results for Monitoring Well S-4A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-4 ECSGW4-01 4th 1998	S-4A ECSGW4A-02 1st 1999	S-4A ECSGW-04 2nd 1999	S-4A ECSGW4-04 3rd 1999	S-4A ECSGW4-05 4th 1999	S-4A ECSGW4-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U
1,2-Dichloroethene(total)	*[1.85]*	0.5 U/1.0	**87**	**100/87**	**85.8 D/91.9 D**	**66.5 E**	**62/36**
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U
Methylene Chloride	*[15.7]*	2 B/3 B	3 B	4 U/4 U	0.3 J/0.3 J	1.0	3 D/ 3 JB
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U
Toluene	*[3,400]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.7 J/0.7 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U
Vinyl chloride	*[525]*	0.5 U/0.5 U	2 J	3 J/ 3J	0.5 U/0.5 U	7.0	3/2 J
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U/1 J	10 U/10 U	10 U	9 U/11 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U
Naphthalene	[620]	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U
Phenol	*[570]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U
Aroclor-1221	*[2.0]*	2 U/ 1.9 U	1.0 U	0.93 U/1.0 U	1.1 U/1.0 U	1.0 U	0.94 U/0.95 U
Aroclor-1232	*[1.0]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U
Aroclor-1242	*[1.0]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U
Aroclor-1248	*[1.0]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U
Aroclor-1254	*[1.0]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U
Aroclor-1260	*[1.0]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U
Inorganics							
Arsenic	*[10]*	1.7 U/1.7 U	2.5 B	2.0 B/1.4 U	2.0 U/2.0 U	7.6 U	2.1 U/2.1 U
Chromium VI	*[11]*	10 U/10 U	10 U	10 U/10 U	10.0 U/10.0 U	10.0 U	**11.2**/10 U
Lead	*[10]*	0.7 U/0.7 U	1.2 B	1.0 U/1.0 U	1.0 U/1.0 U	1.5 U	1.1 U/1.1 U
Nickel	*[100]*	0.7 U/0.84 B	1.6 B	2.1 B/1.4 B	1.0 U/1.0 U	1.1 U	3.2 U/3.2 U
Zinc	*[47]*	1.5 U/1.5 U	0.8 U	0.40 U/0.4 U	1.1 U/1.1 U	3.1 U	3.6 U/3.6 U
Cyanide	*[5.2]*	10 U/10 U	10 U	4.7 U/4.7 U	2.8 U/2.8 U	8.2 U	0.90 U/0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

1 U/0.8 U = Duplicate sample result.

D = Compound quantitated on a diluted sample.

E = Exceeds the upper limit of the calibration range of the instrument for that specific analysis.

TABLE B-15
Summary of Analytical Results for Monitoring Well ECC MW13
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	ECC MW-13 ECTGWMW13-01 4th 1998	ECC MW13 ECSGWMW1302 1st 1999	ECC MW13 ECSL-WMW-13 2nd 1999	MW13 ECSGWM13-04 3rd 1999	MW13 ECSGWM13-05 4th 1999	MW13 ECSGWM13-06 2nd 2000
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	**46**	**8**	**2.5**	**2.3**	**3.0**	1
Ethylbenzene	*[3,280]*	3	1	0.5	0.5 U	0.2 J	0.5 U
Methylene Chloride	*[15.7]*	3 B	1 B	1 B	0.8	1.0	3 B
Tetrachloroethene	*[8.85]*	1 U	1 U	0.5 U	0.5 U	0.4 J	0.1 J
Toluene	*[3,400]*	0.5 J	1 U	0.5 U	0.5 U	0.2 J	0.4 J
1,1,1-Trichloroethane	*[5,280]*	2	0.9 J	0.7	0.3 J	0.6	0.4 J
1,1,2-Trichloroethane	*[41.8]*	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	1 U	0.5 J	0.6	0.5 J	0.7	0.5
Vinyl chloride	*[525]*	1 U	3	0.5 U	0.6	2.0	0.4 J
Semi-Volatile Organics							
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	10 U	9 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	9 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U	9 U	10 U	10 U	10 U
Diethylphthalate	*[52,100]*	10 U	10 U	9 U	1.0 J	10 U	10 U
Naphthalene	[620]	10 U	10 U	9 U	10 U	10 U	10 U
Phenol	*[570]*	10 U	10 U	9 U	10 U	10 U	10 U
Polychlorinated biphenyls							
Aroclor-1016	*[1.0]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U
Aroclor-1221	*[2.0]*	2 U	0.94 U	1.0 U	1.0 U	0.92 U	1.0 U
Aroclor-1232	*[1.0]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U
Aroclor-1242	*[1.0]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U
Aroclor-1248	*[1.0]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U
Aroclor-1254	*[1.0]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U
Aroclor-1260	*[1.0]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U
Inorganics							
Arsenic	*[10]*	8.4 B	8.1 B	**12.7**	**21.5**	**23**	**11.6**
Chromium VI	*[11]*	10 U	10 U	10 U	10.0 U	10.0 U	10 U
Lead	*[10]*	0.7 U	0.7 U	1.0 U	2.5 B	1.5 U	1.1 U
Nickel	*[100]*	14	6.2	4.8 B	6.2	6.0	7.8
Zinc	*[47]*	26.5	0.8 U	0.40 U	1.1 U	3.1 U	3.6 U
Cyanide	*[5.2]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).

J = Estimated Value.

TABLE B-16
Summary of Analytical Results for Location SW-1
ECC Superfund Site

SAMPLE LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-1 ECSW1-01 4th 1998	SW-1 ECSW1-02 1st 1999	SW-1 ECSW1-03 2nd 1999	SW-1 ECSW1-06 2nd 2000
Volatile Organics					
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene(total)	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	*[15.7]*	1 B	0.8 B	1	0.8
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	[3,400]	0.5 U	0.5 U	0.5 U	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U
Semi-Volatile Organics					
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	2 J	5 J	10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U	10 U	10 U
Diethyl phthalate	*[52,100]*	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U	10 U	10 U	10 U
Polychlorinated biphenyls					
Aroclor 1016	*[1.0]*	1 U	0.48 U	0.5 U	0.50 U
Aroclor 1221	*[2.0]*	2 U	0.97 U	1 U	1.0 U
Aroclor 1232	*[1.0]*	1 U	0.48 U	0.5 U	0.50 U
Aroclor 1242	*[1.0]*	1 U	0.48 U	0.5 U	0.50 U
Aroclor 1248	*[1.0]*	1 U	0.48 U	0.5 U	0.50 U
Aroclor 1254	*[1.0]*	1 U	0.48 U	0.5 U	0.50 U
Aroclor 1260	*[1.0]*	1 U	0.48 U	0.5 U	0.50 U
Inorganics					
Arsenic	*[10]*	1.7 U	1.4 U	2.9 B	2.1 U
Chromium VI	*[11]*	10 U	10 U	10 U	10 U
Lead	*[10]*	0.7 U	1.6 B	1 U	1.1 U
Nickel	*[100]*	15.9 U	8.2	20.5	9.2
Zinc	*[47]*	1.5 U	3.8 B	14.2 B	3.6 U
Cyanide	*[5.2]*	10 U	10 U	**10.3**	2.1 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
D = Compound quantitated on a diluted sample.
0.5 U/0.5 U = Duplicate sample result.

TABLE B-17
Summary of Analytical Results for Location SW-2
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-2 ECSW201 4th 1998	SW-2 ECSW2-02 1st 1999	SW-2 ECSW-02 2nd 1999	SW-2 ECSW2-06 2nd 2000
Volatile Organics					
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (total)	*[1.85]*	0.5 J/0.3 J	0.8	1	0.3 J
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	*[15.7]*	2 B/1 B	0.8 B	2 B	1
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Toluene	*[3,400]*	0.5 U/0.5 U	0.5 U	0.5 U	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	*[525]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U
Semi-Volatile Organics					
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U
Diethyl Phthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U
Polychlorinated biphenyls					
Aroclor 1016	*[1.0]*	1 U/1 U	0.48 U	0.50 U	0.46 U
Aroclor 1221	*[2.0]*	2 U/2 U	0.95 U	0.99 U	0.93 U
Aroclor 1232	*[1.0]*	1 U/1 U	0.48 U	0.50 U	0.46 U
Aroclor 1242	*[1.0]*	1 U/1 U	0.48 U	0.50 U	0.46 U
Aroclor 1248	*[1.0]*	1 U/1 U	0.48 U	0.50 U	0.46 U
Aroclor 1254	*[1.0]*	1 U/1 U	0.48 U	0.50 U	0.46 U
Aroclor 1260	*[1.0]*	1 U/1 U	0.48 U	0.50 U	0.46 U
Inorganics					
Arsenic	*[10]*	2.1 B/ 2.1 B	1.4 U	4.6 B	2.1 U
Chromium VI	*[11]*	10 U/10 U	10 U	10 U	10 U
Lead	*[10]*	0.7 U/0.7 U	1.2 B	1.0 U	1.1 U
Nickel	*[100]*	13.5 U/14 U	8.3	19.7	9
Zinc	*[47]*	1.5 U/1.5 U	2.4 B	6.5 B	3.6 U
Cyanide (Total)	*[5.2]*	10 U/10 U	10 U	**7.1 B**	2.1 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < contract required detection limit but > = instrument detection limit (inorganic).
J = Estimated Value.
D = Compound quantitated on a diluted sample.
0.5 U/0.5 U = Duplicate sample result.